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(54) Title: RECOMBINANT FLAVIVIRUS VACCINES

(57) Abstract: The invention provides recombinant flavivirus vaccines that can be used in the prevention and treatment of flavivirus infection. The vaccines of the invention contain recombinant flaviviruses including attenuating mutations.

# INTERNATIONAL SEARCH REPORT

International application No.

PCT/US06/15241

## A. CLASSIFICATION OF SUBJECT MATTER

IPC: A61K 39/29( 2006.01);C12P 21/06( 2006.01);C07H 21/02( 2006.01)

USPC: 424/228.1;435/69.1;536/23.1

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

U.S. : 424/228.1; 435/69.1; 536/23.1

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)  
Please See Continuation Sheet

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X — A	ARROYO et al. Molecular Basis for Attenuation of Neurovirulence of a Yellow Fever Virus/Japanese Encephalitis Virus Chimera Vaccine (ChimeriVax-JE). Journal of Virology. January 2001, Vol. 75, No. 2, pages 934-942, especially abstract.	1-7, 10, 11, 22, 28 8, 9, 12-21, 23-27, 29-35
X — A	CHAMBERS et al. Yellow Fever/Japanese Encephalitis Chimeric Viruses: Construction and Biological Properties. Journal of Virology. April 1999, Vol. 73, No. 4, pages 3095-3101, especially abstract.	1-7, 10, 11, 22, 28 12-21, 23-27, 29-35

☐ Further documents are listed in the continuation of Box C.

☐ See patent family annex.

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"A" document defining the general state of the art which is not considered to be of particular relevance	"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
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"O" document referring to an oral disclosure, use, exhibition or other means	"&" document member of the same patent family
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# INTERNATIONAL SEARCH REPORT

International application No.  
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Continuation of B. FIELDS SEARCHED Item 3:

APS, MEDLINE, CAS ONLINE

search terms: pugachev, guirakhoo, monath, flavivirus, dengue, japanese encephalitis, yellow fever, chimeric, recombinant, west nile, mutations, deletions, substitutions, envelope, viscerotropism